



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Broadband Blocks - C04/C06/C08

## Description

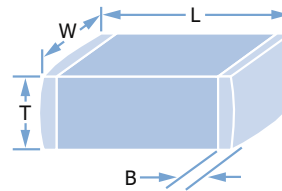
- Resonance free DC Blocking / Decoupling
- Less than 0.25 db loss @ 4 GHz (typical)
- Surface mountable

## Functional Applications

- Fiber Optic Links • High Isolation Decoupling
- LAN's, VCO Frequency Stabilization • Diplexers
- RF/Microwave Modules • Instruments • Test Equipments

## Mechanical Specification

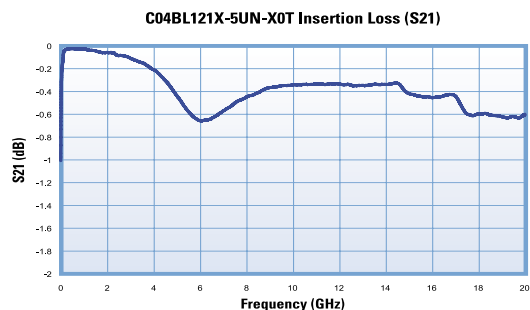
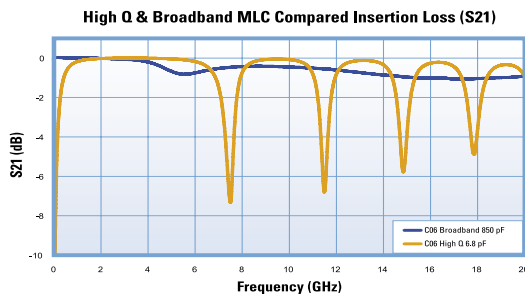
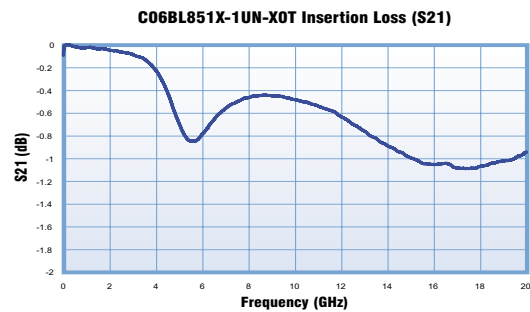
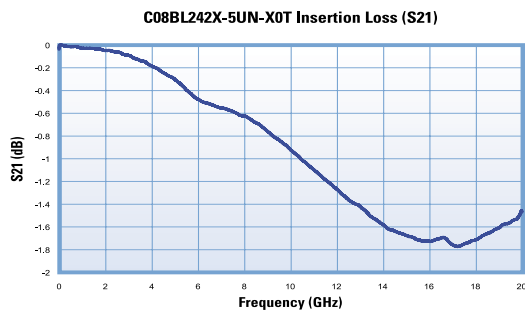
Product Code	Body Dimensions			Band Dimensions (B)	
	Length (L)	Width (W)	Thickness (T)	Min	Max
<b>C04BL</b>	0.040" ± 0.008"	0.020" ± 0.006"	0.028" Max	0.003"	0.019"
<b>C06 BL</b>	0.060" ± 0.012"	0.031" ± 0.009"	0.036" Max	0.006"	0.03"
<b>C08 BL</b>	0.081" ± 0.020"	0.051" ± 0.013"	0.061" Max	0.012"	0.0468"
<b>C18BL</b>	0.1200" ± 0.925"	0.1100" ± 0.010"	0.100" Max	0.008"	0.045"



## Part Characteristics

Part Number	Capacitance Guaranteed Minimum Value	Voltage Rating	Temperature Coefficient -55°C to 125°C	Maximum Dissipation Factor	Insulation Resistance (MΩ Minimum)	Aging Rate	Frequency Range	Termination
C04BL121X-5UN-X0T	120pF @ 1KHz, .2Vrms	50 Vdc	± 15%	3.0% @ 1KHz, .2Vrms	10 <sup>4</sup>	<=1.5%/decade hours	10MHz – 40GHz	"U" & "S"
C06BL851X-1UN-X0T	850pF @ 1KHz, .2Vrms	100 Vdc 50 Vdc					2MHz – 30GHz	"U", "S" & "Z"
C08BL242X-5UN-X0T	2400pF @ 1KHz, .2Vrms	50 Vdc					1MHz – 20GHz	"U", "S" & "Z"
C08BL102X-1UN-X0T	1000pF @ 1KHz, .2Vrms	100 Vdc					1MHz – 20GHz	"U", "S" & "Z"
C18BL103X-4GN-X0T	10,000pF @ 1KHz, .2Vrms	500 Vdc					1MHz – 6GHz	"U", "S" & "Z"

## Performance



The information above represents typical device performance.

[www.knowlescapacitors.com](http://www.knowlescapacitors.com)

**Should be ordered as DLI parts.**